

A B S T R A C T

A SYSTEM FOR ASSISTING THE REGENERATION OF AN EXHAUST
LINE PARTICLE FILTER

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A system for assisting regeneration of a particle filter of an exhaust line (3) of a diesel engine associated with, in particular:

- a particle filter (7);
- 10 - an oxidation catalytic converter (6);
- a common system (8) for feeding fuel to the cylinders of the engine;
- means (16) for adding to the fuel an additive adapted to reduce the combustion temperature of the
- 15 trapped particles and propagate their combustion; and
- monitoring means (17) for triggering a phase of regeneration of the particle filter by combustion of the particles trapped therein during a phase of multiple injections of fuel;
- 20 characterized in that the particle filter (7) is impregnated with a catalyst for oxidizing the hydrocarbons and CO present in the exhaust gases flowing through said particle filter.

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Translation of the title and the abstract as they were when originally filed by the
35 Applicant. No account has been taken of any changes that may have been made subsequently by the PCT Authorities acting ex officio, e.g. under PCT Rules 37.2, 38.2, and/or 48.3.